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PHOTOGRAPHIC INTERPRETATION REPORT

GRANOV IRBM COMPLEX, USSR
LAUNCH AREA NO 2

DECLASSIFICATION REVIEW BY NIMA / DoD



CIA



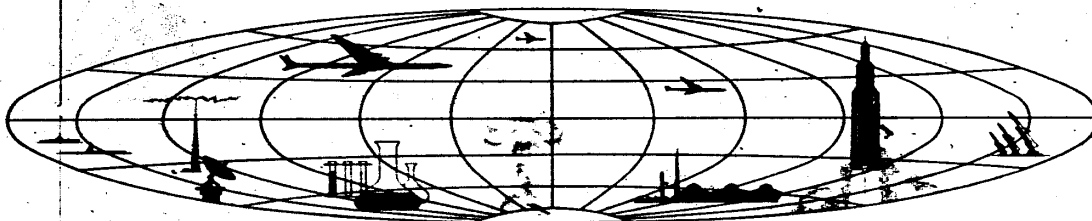
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GRANOV IRBM COMPLEX, USSR
LAUNCH AREA NO 2

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Launch Area No 1 (TDI name: Granov Launch Site 1) -- Type III 48-56-15N 29-30-30E
Launch Area No 2 (TDI name: Granov Launch Site 2) -- Type IV 48-49-30N 29-29-15E
Launch Area No 3 (TDI name: Kalnik Launch Site) -- Type IV 48-59-30N 29-22-15E

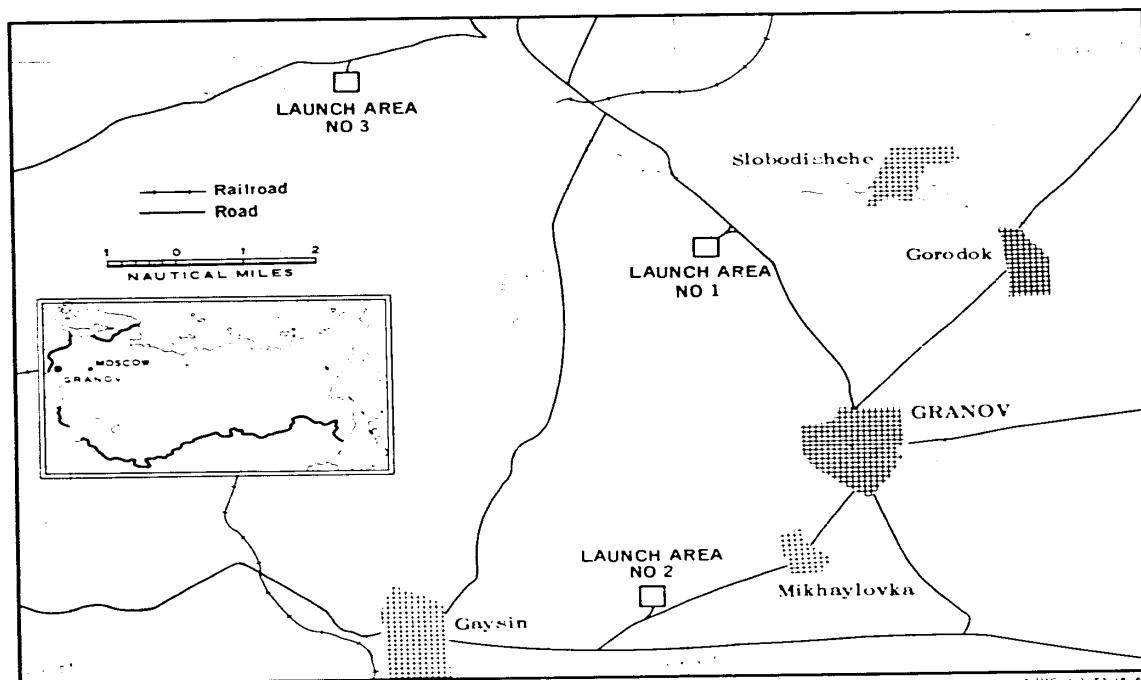


FIGURE 1. GRANOV IRBM COMPLEX, USSR.

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This report updates that portion of NPIC/R-235 '63 1 concerning Launch Area No 2. Information on the remainder of the Granov IRBM Complex is given in the referenced report. Launch Area No 2 is a complete Type IV launch area located 4.2 nautical miles (nm) southwest of Granov, in the Ukrainian SSR (Figure 1).

Launch Area No 2 lies in the center of a large wooded area. The immediate terrain is level, with an average elevation of 800 feet. An improved, probably all-weather road connects the area to Gaysin, 3.7 nm to the west-southwest, which is the probable rail-to-road transfer point with a railyard five tracks wide at its widest point and facilities including 14 warehouses. The area is also connected by a local road network to Launch Area No 1, 6.8 nm north (a complete Type III) and to Launch Area No 3, 11 nm north-northwest (a Type IV in the midstage of construction).

The launch area was first observed in [REDACTED] at which time it was identified as a Type IV launch area in the early stage of construction. At this time Launch Area No 1 was nearly complete and Launch Area No 3 did not exist. The next coverages of the area were in [REDACTED] and because of the poor quality of the photography the only change discernible in the area was an increase in the number of buildings in the administration and housing area. On the next coverage in [REDACTED] the area was obscured by clouds and haze but Launch Area No 1 was found to be complete. The first good quality coverage of the area was in [REDACTED] at which time two launch silos and the control bunker were visible in the launch site. Approximately 11 buildings were visible in the administration and housing area. Also at this time Launch Area No 3 was observed and identified as a

Type IV launch area in the early stage of construction.

When next covered in late [REDACTED]

[REDACTED] a third launch silo was under construction in the launch site and backfilling had started on the forward launch silos. The administration and housing area had been expanded to approximately 17 buildings. Launch Area No 3 was still in the early stage of construction. In [REDACTED] backfilling in the launch site appeared to be nearly completed but snow cover precluded definite interpretation. Launch Area No 3 had progressed to the midstage of construction.

On the next coverage in [REDACTED] the area was in the late stage of construction with backfilling nearly completed and in [REDACTED] the launch area was complete (Figure 2) and consisted of a mounded control bunker encompassed by a heart-shaped loop road which served three launch silos. Launch Area No 3 was in the midstage of construction at this time.

The access road enters the launch area (Figure 2) from the south where it intersects the road connecting Granov and Gaysin. The access road passes through the administration and housing section and terminates in a loop in the technical section. Within the administration and housing section the access road intersects the main site road which runs east-west. The main site road runs westward 2,500 feet from this intersection to the point where it enters the launch site. The road then continues approximately 235 feet onto a slightly raised area where it branches into the loop road serving the three silo positions. In the center of the loop road is a mound which covers the control bunker. The distance from

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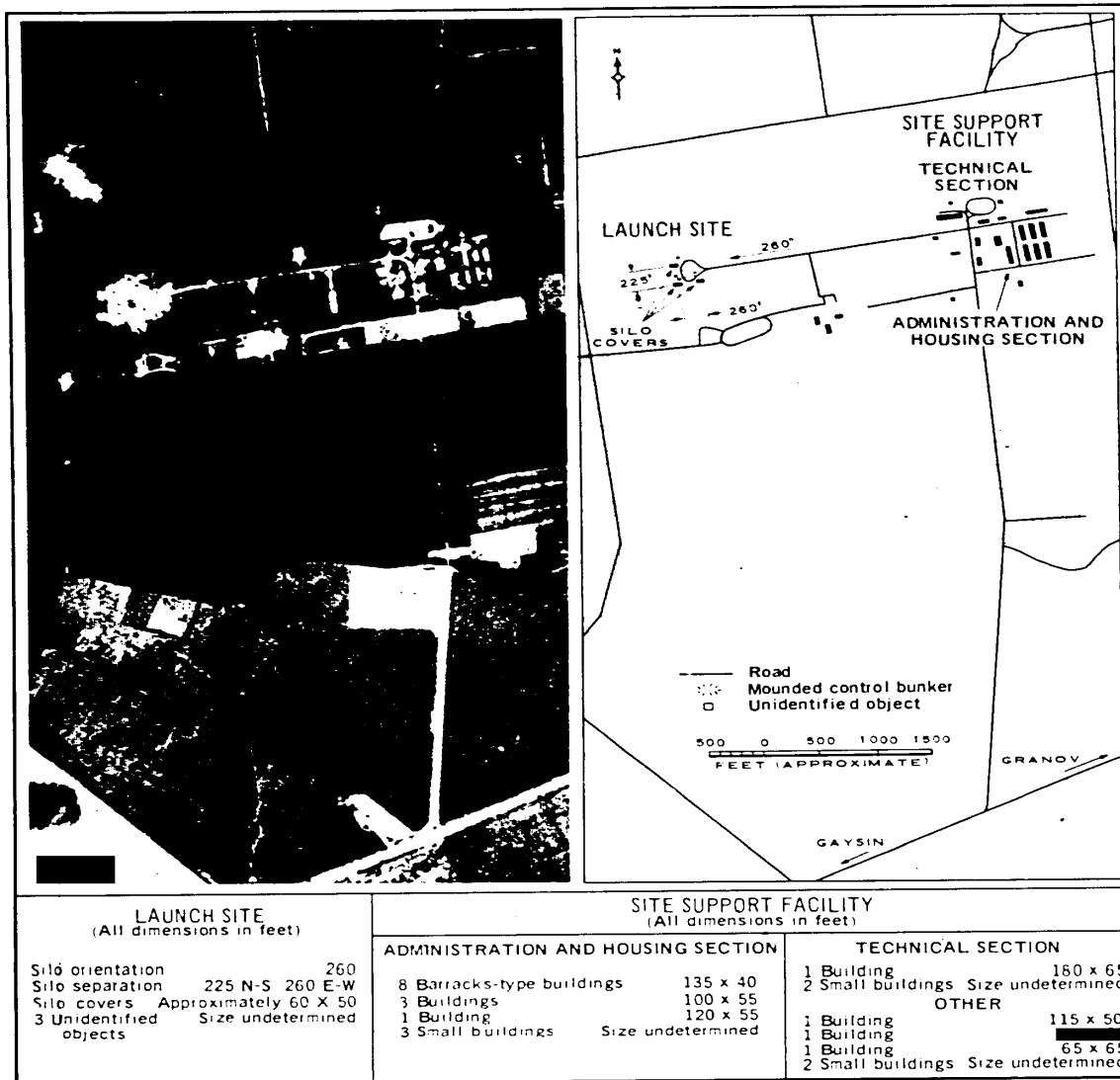


FIGURE 2. LAUNCH AREA NO. 2.

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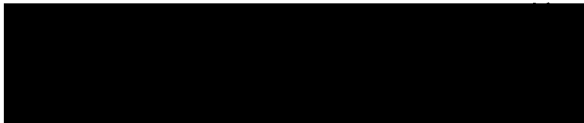
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the center of the launch site to the road intersection is 2,865 feet. Located around the loop road are three small unidentified objects and adjacent to one of the silos is a small building.

The site support facility contains 23 buildings: 15 in the administration and housing section, 3 in the technical section, and 5

scattered about a long scarred area whose functions or associations are undetermined.

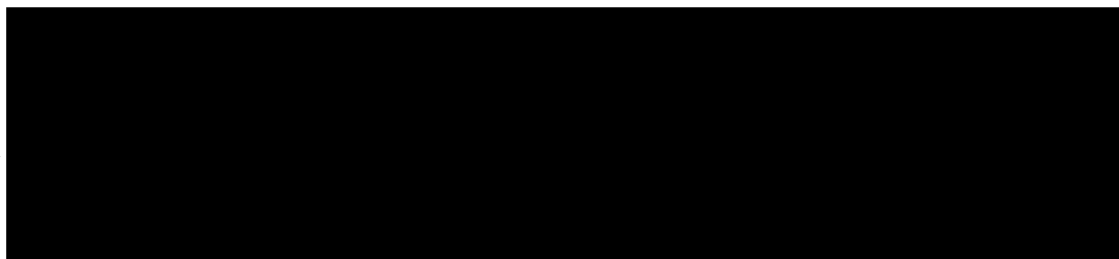


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REFERENCES

25X1D

PHOTOGRAPHY



DOCUMENT

1. NPIC R-235 63, *Gravel IRBM Launch Complex, USSR*, Sep 63 (TOP SECRET RUFF)

MAPS OR CHARTS

- AMS, Series N501, Sheet NM 33-12, 10th ed, Jan 59, scale 1:250,000 (UNCLASSIFIED)
SAC, U.S. Air Target Chart, Series 200, Sheet 0200-1SHL, 3d ed, Aug 62, scale 1:200,000 (SECRET)

REQUIREMENT

GMAIC-5-64

NPIC PROJECT

N-760 64

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